

ABSTRACT

An apparatus for molding a mold by pressurizing a foam mixture composed of particles of aggregate, water-soluble binders, and water, and injecting it into a cavity of a heated metal mold that includes a hollow rectangular-parallelepiped body 12 having a bottom plate 14, the bottom plate 14 having an injection hole 13 to inject the foam mixture, a device 10 for containing the foam mixture having functions as a mixing bath to mix particles of aggregate, water-soluble binders, and water, and as a pressurized vessel to inject the foam mixture into the metal mold, and a device 22 for closing and opening the injection hole 13. The apparatus is further provided with a device for measuring a temperature of the particles of aggregate or the foam mixture, the viscosity, and the moisture and a device for communicating gases from the cavity of the metal mold to the outside of the mold so that the particles of aggregate cannot pass through it.